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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Application No.	Filing Date	First Named Inventor	Atty. Docket No.
09/609,670 ✓	07/03/2000	MENLOVE, H., et al.	09125-37382 (S-91,711)

Examiner  
HANIG, RICHARD E.

Art Unit  
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**Response to Office Action of 12/14/2001**

In response to the Office Action of December 14, 2001, please amend the application as follows:

In the specification:

Page 8: line 22, change "35" to --15--.

Page 9: line 16, delete the close parenthesis ( ) after "pulse."

Redline and clean copies of pages 8 and 9 are enclosed.

In the claims:

1. (Amended) Apparatus for increasing the sensitivity of measuring the amount of radioactive material in waste utilizing localized neutron coincidence vetoes to reduce by reducing the interference caused by cosmic ray generated neutrons, said apparatus comprising:
  - a) a plurality of neutron detectors, each of said detectors including means for generating a pulse in response to the detection of a neutron; and
  - b) means, coupled to each of said neutron detectors, for counting only some of said pulses from each of said detectors, whether cosmic ray or fission generated, said means for counting including a means that, after counting